

TECK90 – COPPER CONDUCTOR

SINGLE CONDUCTOR #1 AWG THRU 600 kcmil

XLPE/ALUMINUM ARMoured/1000 V, (-40°C) CSA



Conductor:
1 AWG. Thru 600 kcmil. compact round concentric lay class "B" stranded copper

Insulation:
Cross-linked Polyethylene (XLPE) Type RW 90

Colour Coding:
Black

Bonding Conductor (Ground):
Concentrically wrapped uninsulated bare solid copper conductor. Polypropylene wrap applied around ground conductors

Inner jacket:
Polyvinyl Chloride (PVC), black

Armour:
Aluminum interlocked armour

Outer Jacket:
Low acid gas, flame-retardant, moisture and sunlight resistant Polyvinyl Chloride (PVC), black

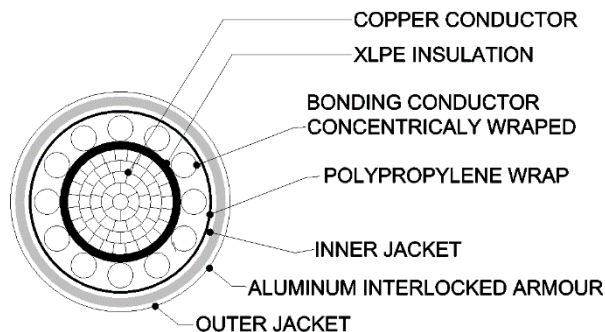
Print:
NORTHERN CABLES™ #/C SIZE (AWG OR KCMIL)
CMPCT TECK90 XLPE 1000V HL FT4 (-40C) SUN RES AG14 CSA, METRE MARK

CSA License:
LL109933

Applications:
For concealed wiring in dry or wet locations
For exposed wiring in dry or wet locations
For exposed and wiring in dry, locations where subjected to corrosive action if suitable for corrosive conditions encountered
For exposed wiring where subjected to the weather
For use in ventilated, Non-ventilated and ladder-type cable trays in dry or wet locations
For direct earth burial (with protection as required by inspection authority)
For service entrance above or below ground

Features:
Rated at 90°C wet or dry
Excellent crush resistance
Provides long service life
Cost effective alternative to installations in conduit
Meets cold bend and impact tests at (-40°C)

Compliances:
Industry compliances: CSA Standard C22.2 No. 131, No.38 and No.2256, RoHS
Flame test compliances: CSA FT4
Hazardous Location, SUN RES (outer jacket) SUN RES on inner jacket and insulated conductor available upon request, Direct Burial
Acid Gas: CSA AG14



PART NO.	NO OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG /kcmil)	MIN. AVG. INSULATION THICKNESS		NOMINAL DIAMETER (OVER)						NET WEIGHT		AMPACITY AT 90° C
						INNER JACKET		ARMOUR		CABLE				
						INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	
801158	1	1	4	0.080	2.03	0.693	17.6	0.893	22.68	0.980	24.89	1065	716	220
801278	1	1/0	4	0.080	2.03	0.730	18.5	0.980	24.89	1.067	27.10	1190	800	260
801407	1	2/0	4	0.080	2.03	0.778	19.8	1.029	26.14	1.115	28.32	1355	911	300
801408	1	3/0	3	0.080	2.03	0.827	21.0	1.077	27.36	1.164	29.57	1600	1075	350
801383	1	4/0	3	0.080	2.03	0.869	22.1	1.119	28.42	1.206	30.63	1821	1224	405
801255	1	250	2	0.090	2.29	0.975	24.8	1.225	31.12	1.312	33.32	2019	1357	455
801258	1	300	2	0.090	2.29	1.025	26.0	1.275	32.39	1.362	34.59	2439	1639	500
801411	1	350	1	0.090	2.29	1.071	27.2	1.321	33.55	1.408	35.76	2783	1870	570
801257	1	400	1	0.090	2.29	1.114	28.3	1.364	34.65	1.451	36.86	3044	2046	615
801378	1	500	1/0	0.090	2.29	1.214	30.8	1.464	37.19	1.551	39.40	3442	2313	700
801416	1	600	1/0	0.090	2.29	1.291	32.8	1.541	39.14	1.644	41.76	3729	2506	780

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES
AMPACITY IS BASED ON CEC Part 1